

IN THE CLAIMS

1. (currently amended) A method of producing an immune response in a mammal, comprising the step of:

administering mucosally to a mammal an admixture comprising ~~a protein~~ an immunogen and a plant lectin selected from the group consisting of ML-I, ML-II, ML-III, and UEA-I, whereby the mammal produces an immune response to the ~~protein~~ immunogen which is greater relative to the immune response to the ~~protein~~ immunogen produced in the absence of the plant lectin.

2. (canceled)

3. (previously amended) The method of claim 1 wherein the admixture is administered intranasally.

4. (previously amended) The method of claim 1 wherein the plant lectin is ML-I.

5. (original) The method of claim 1 wherein the mammal is selected from the group consisting of a dog, a cat, a mouse, a rat, a rabbit, a guinea pig, a chimpanzee, a baboon, and a human.

6. (original) The method of claim 1 wherein the immune response is a T cell response.

7. (original) The method of claim 6 wherein the T cell response is a Th2 response.

8. (original) The method of claim 6 wherein the T cell response is proliferation of T cells.

9. (original) The method of claim 1 wherein the immune response is an antibody response.

10. (previously amended) The method of claim 9 wherein the response is an IgG response.

11. (previously amended) The method of claim 10 wherein the IgG antibodies are IgG1 antibodies.
12. (original) The method of claim 10 wherein the antibodies are detectable in serum.
13. (original) The method of claim 10 wherein the antibodies are detectable in mucosal secretion.
14. (previously amended) The method of claim 13 wherein the mucosal secretion is obtained from a gut mucosa.
15. (previously amended) The method of claim 1 wherein the admixture comprises two or more different lectins.
16. (previously amended) The method of claim 1 wherein the admixture comprises two or more different immunogens.
17. (currently amended) The method of claim 1 wherein the ~~protein~~ immunogen is a protein of an infectious agent.
18. (previously amended) The method of claim 17 wherein the infectious agent is a virus.
19. (previously amended) The method of claim 17 wherein the immunogen is a glycoprotein D2 protein from a *Herpes simplex* virus type 2.
20. (original) The method of claim 3 wherein the admixture is administered using a nasal spray.
21. (original) The method of claim 3 wherein a drop of a liquid containing the admixture is administered.
22. (original) The method of claim 1 wherein at least two doses of the admixture are administered.

23. (currently amended) The method of claim 1 wherein the admixture comprises ~~a~~ ~~protein~~ the immunogen and ~~a~~ the plant lectin in a ratio of at least about 1:1.

24. (previously amended) The method of claim 23 wherein the ratio is at least about 10:1.

25. (original) The method of claim 9 wherein an antibody titer is measured using an ELISA.

26-29. (canceled)

30. (original) The method of claim 1 wherein the admixture is administered in conjunction with a bioadhesive polymer.

31. (original) The method of claim 1 wherein the admixture is in an enteric formulation.

32. (previously added) The method of claim 1 wherein the plant lectin is ML-II.

33. (previously added) The method of claim 1 wherein the plant lectin is ML-III.

34. (canceled)

35. (previously added) The method of claim 1 wherein the plant lectin is UEA-I.

36. (previously added) The method of claim 5 wherein the mammal is a mouse.

37. (previously added) The method of claim 5 wherein the mammal is a human.

38. (previously added) The method of claim 9 wherein the antibody response is an IgA response.

39. (previously added) The method of claim 10 wherein the IgG antibodies are IgG2a antibodies.

40. (previously added) The method of claim 10 wherein the IgG antibodies are IgG2b antibodies.

41. (previously added) The method of claim 13 wherein the mucosal secretion is obtained from a vaginal mucosa.

42. (previously added) The method of claim 13 wherein the mucosal secretion is obtained from an oral mucosa

43. (previously added) The method of claim 13 wherein the mucosal secretion is obtained from a nasal mucosa.